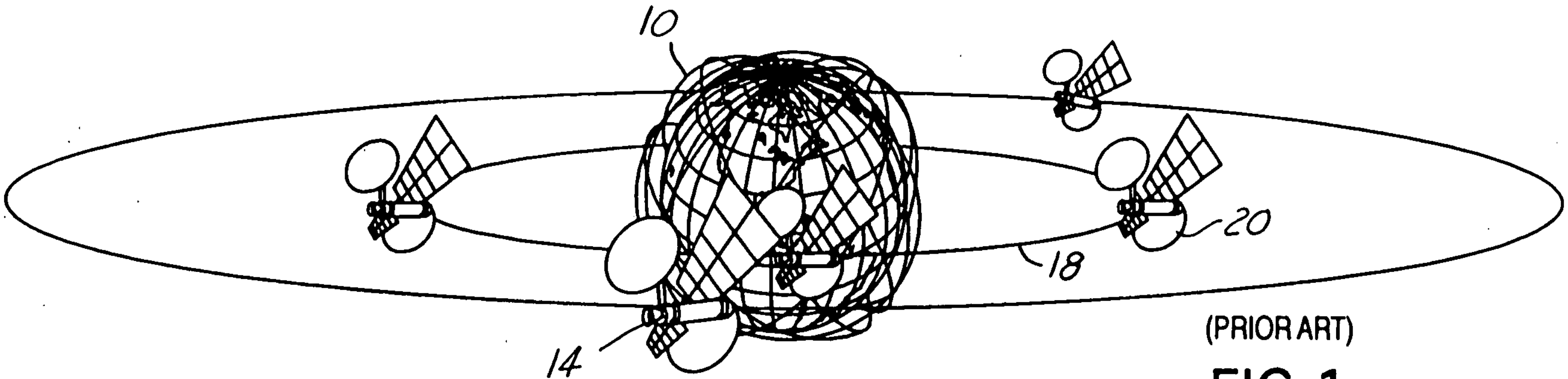

(PRIOR ART)

FIG. 1

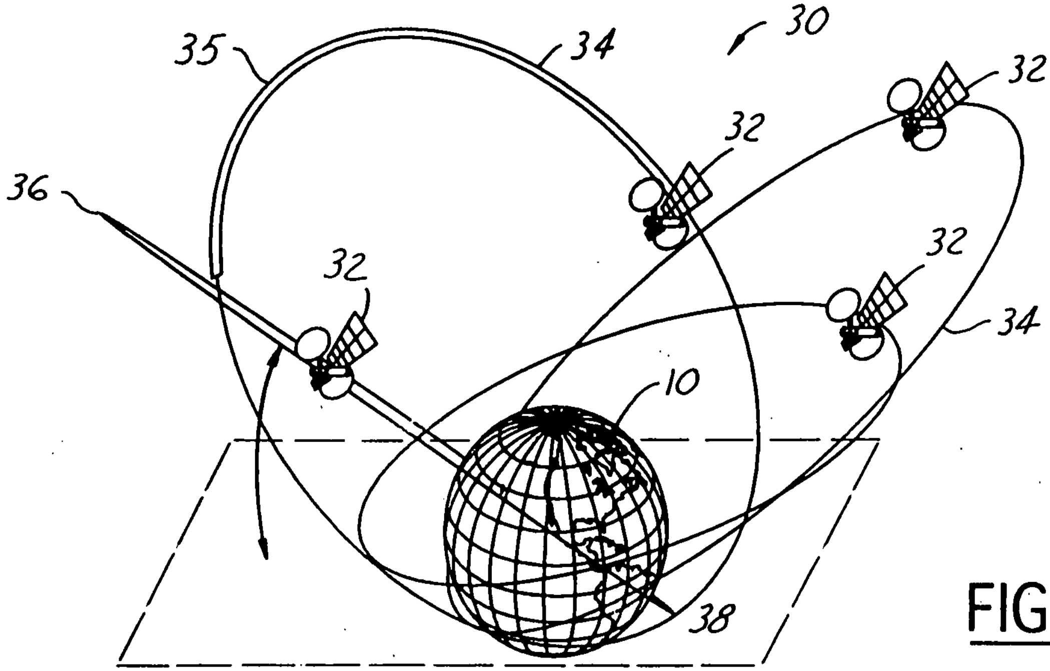

FIG. 2

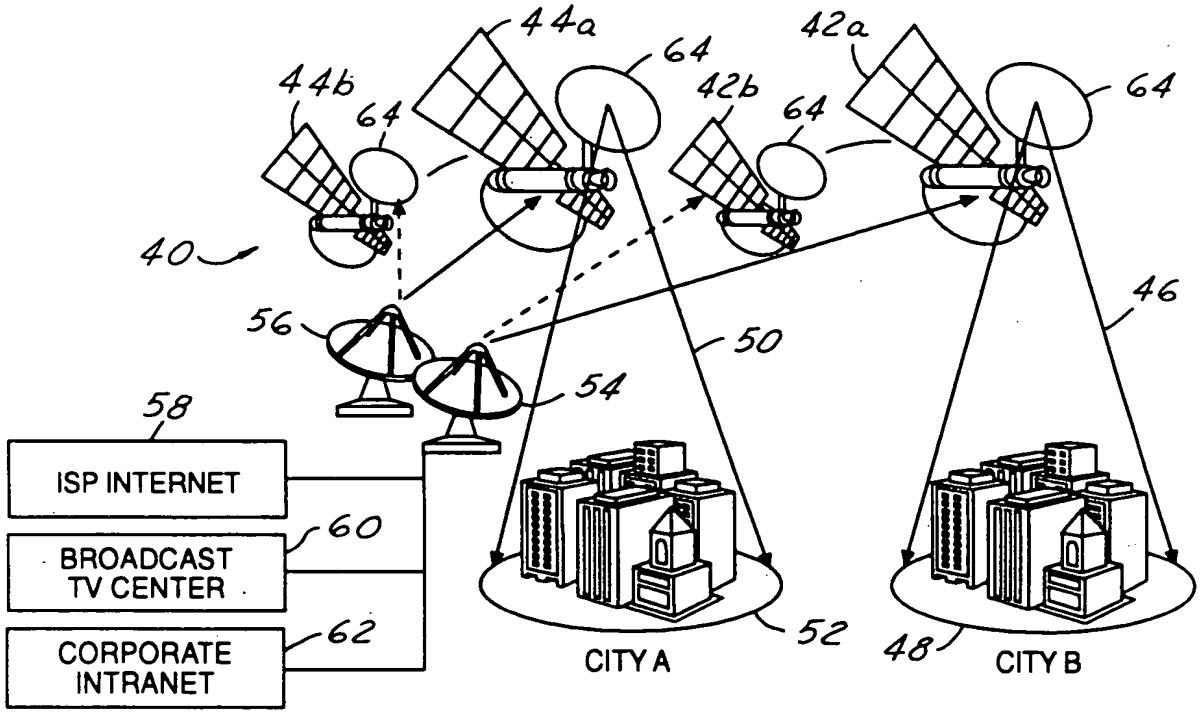
44a
64
42a
44b
64
42b
64
64
40
46
56
50
54
58
ISP INTERNET
60
BROADCAST TV CENTER
62
CORPORATE INTRANET
52
48
CITY A
CITY B

FIG. 3

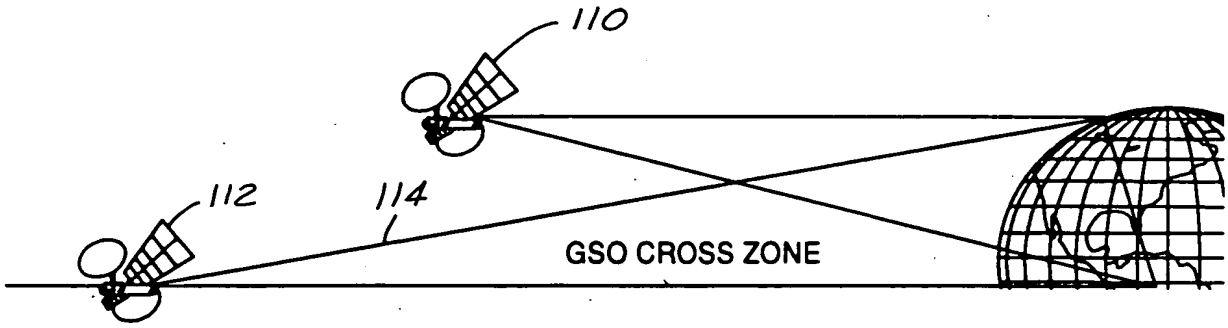
110
112
114
GSO CROSS ZONE

FIG. 18

1 CASE	2 NUMBER OF TOTAL SATELLITES [X]	3 NUMBER OF ACTIVE SATELLITES [K]	4 ORBIT PERIOD PERCENTAGE (% OF SIDEREAL DAY S) [1/M*100%]	5 ACTIVE PERIOD PERCENTAGE (% OF SIDEREAL DAY S) [K/X*100%]	6 EXAMPLE ORBIT PARAMETERS I (INCLINATION) & E (ECCENTRICITY)	7 COVERAGE FEATURES (REF. SHOWN BELOW)	8 REFERENCE FIGURE
1	2	1	100% (M = 1)	50% (~12 HOURS)	I (50°), E (0.1)	R*, HE*	FIGURE 5
2	3	1	100% (M = 1)	33%(~8 HOURS)	I (50°), E (0.13)	R*, EHE*	FIGURE 6
3	3	2	50% (M = 2)	66% (~16 HOURS)	I (40°), E (0.3)	PM*	FIGURE 7
4	4	2	50% (M = 2)	50% (~12 HOURS)	I (40°), E (0.3)	PM*	
5	4	3	33% (M ≥ 3)	75% (~18 HOURS)	I (16°), E (0.66)	G*, LO*	FIGURE 8
6	5	3	33% (M = 3)	60% (14.4 HOURS)	I (35°), E (0.66)	G*, PM*	
7	6	3	33% (M = 3)	50% (12 HOURS)	I (35°), E (0.66)	G*	
8	5	4	25% (M = 4)	80% (~19.2 HOURS)	I (35°), E (0.58)	G*	FIGURE 7
9	6	4	25% (M = 4)	66% (~16 HOURS)	I (35°), E (0.58)	G*	
10	7	4	25% (M = 4)	57% (~13.7 HOURS)	I (35°), E (0.58)	G*	
11	8	4	25% (M = 4)	50% (12 HOURS)	I (35°), E (0.58)	G*	

*R: REGIONAL, HE: HIGH ELEVATION, EH: EXTREMELY HIGH ELEVATION, G: GLOBAL, LO: LANDMASS OPTIMIZED, AND PM: PRIMARY MARKET

FIG. 4

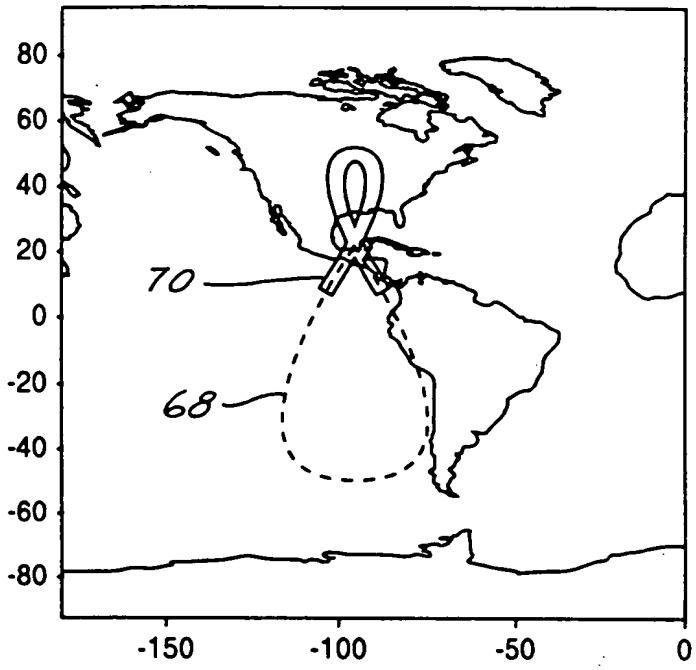
80
60
40
20
0
-20
-40
-60
-80
-150
-100
-50
0
70
68

FIG. 5

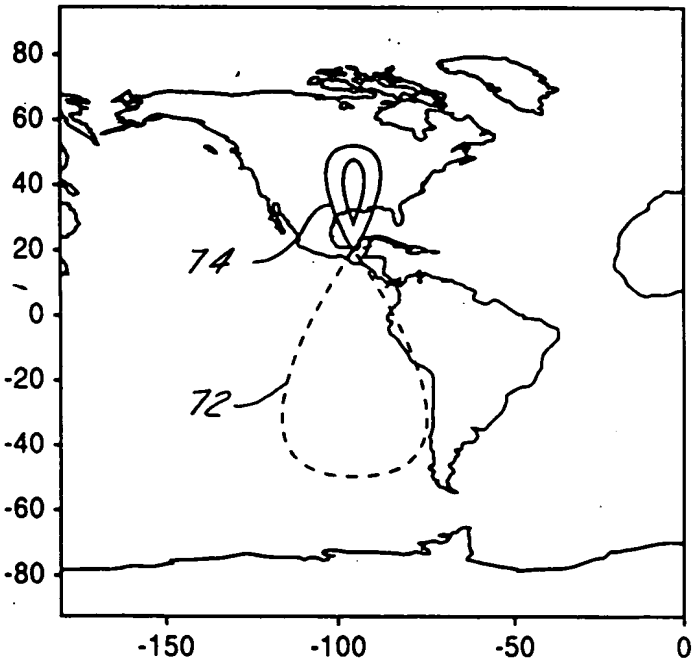
80
60
40
20
0
-20
-40
-60
-80
-150
-100
-50
0
74
72

FIG. 6

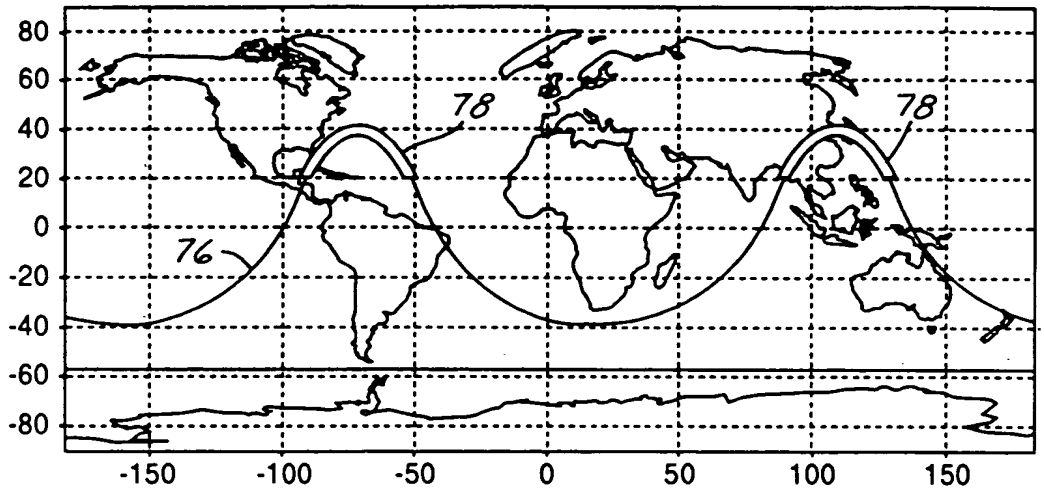

FIG. 7

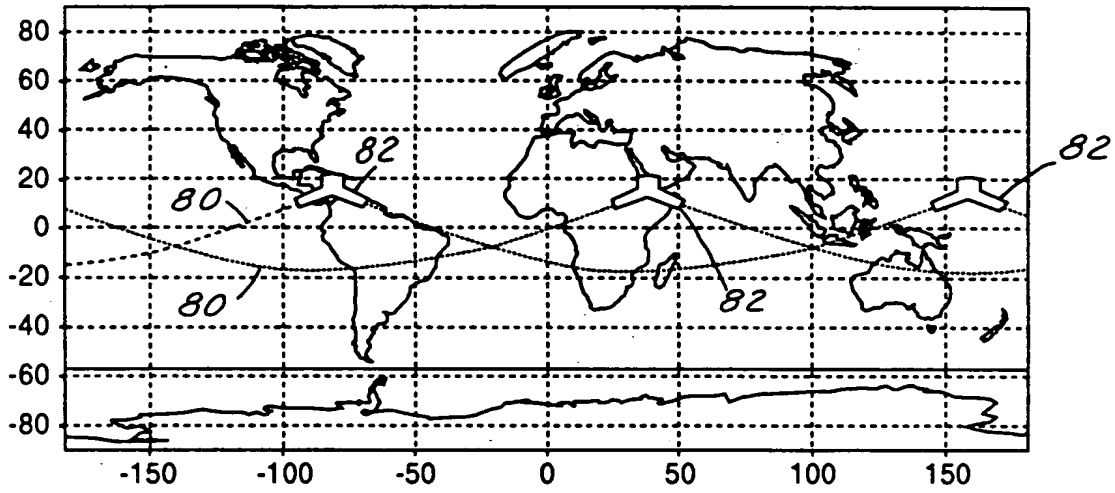

FIG. 8

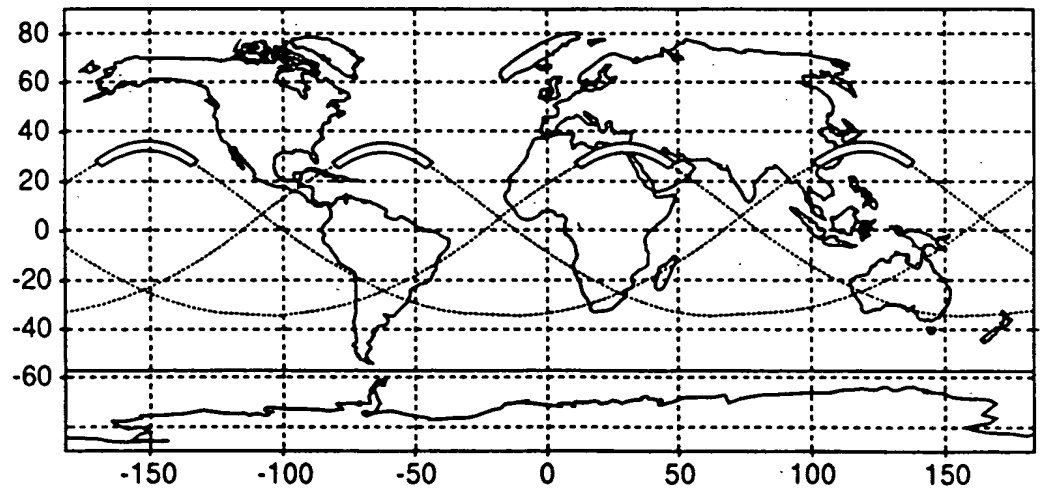

FIG. 9

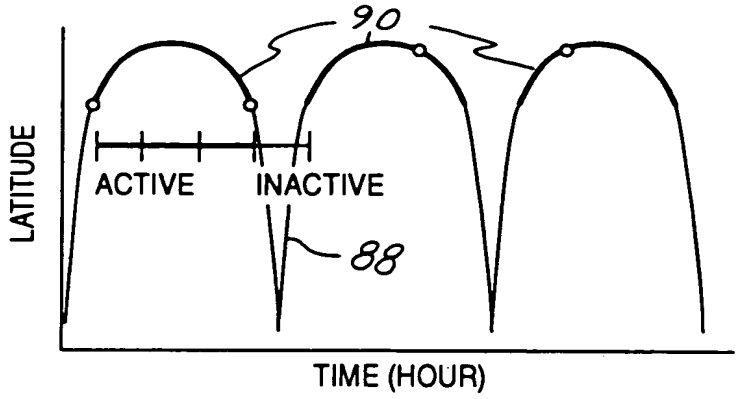

FIG. 10

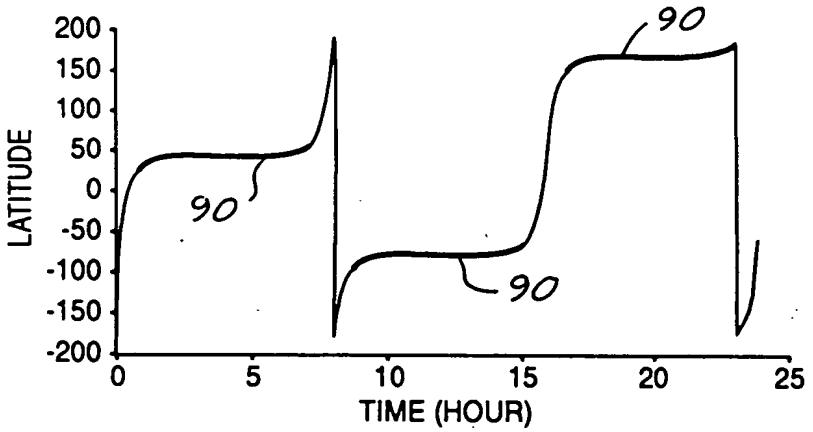

FIG. 11

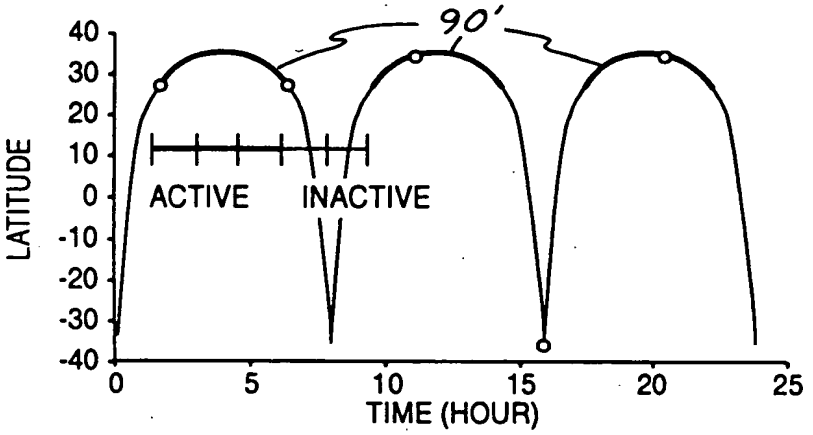

FIG. 13

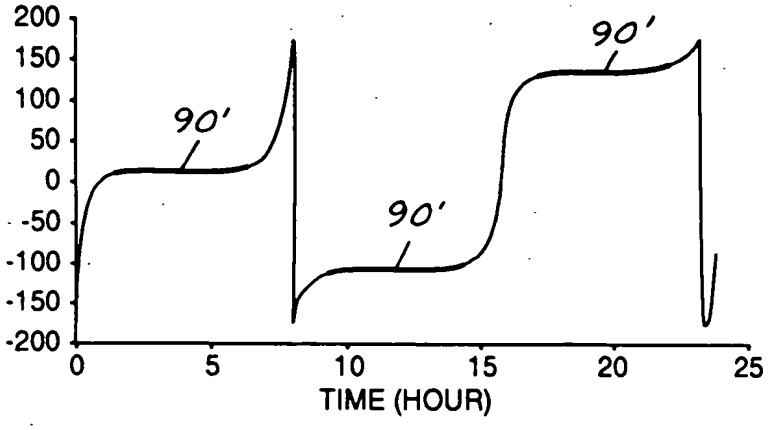

FIG. 14

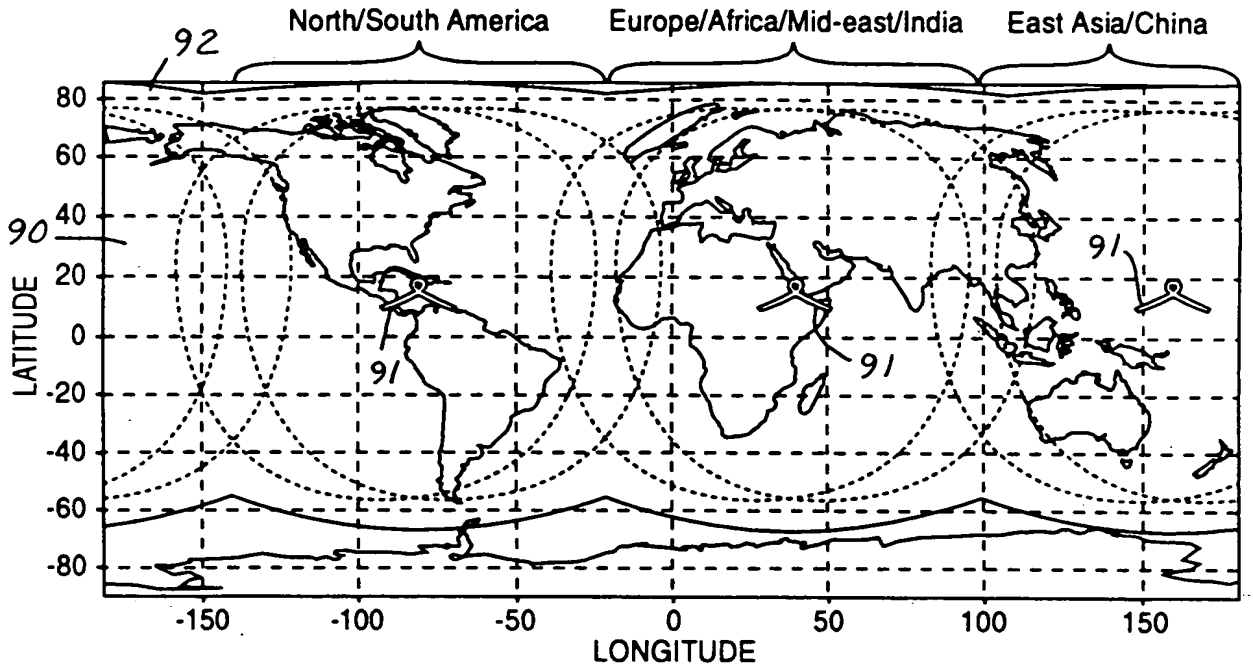
North/South America
Europe/Africa/Mid-east/India
East Asia/China
92
90
91
91
91
LATITUDE
80
60
40
20
0
-20
-40
-60
-80
-150
-100
-50
0
50
100
150
LONGITUDE

FIG. 12

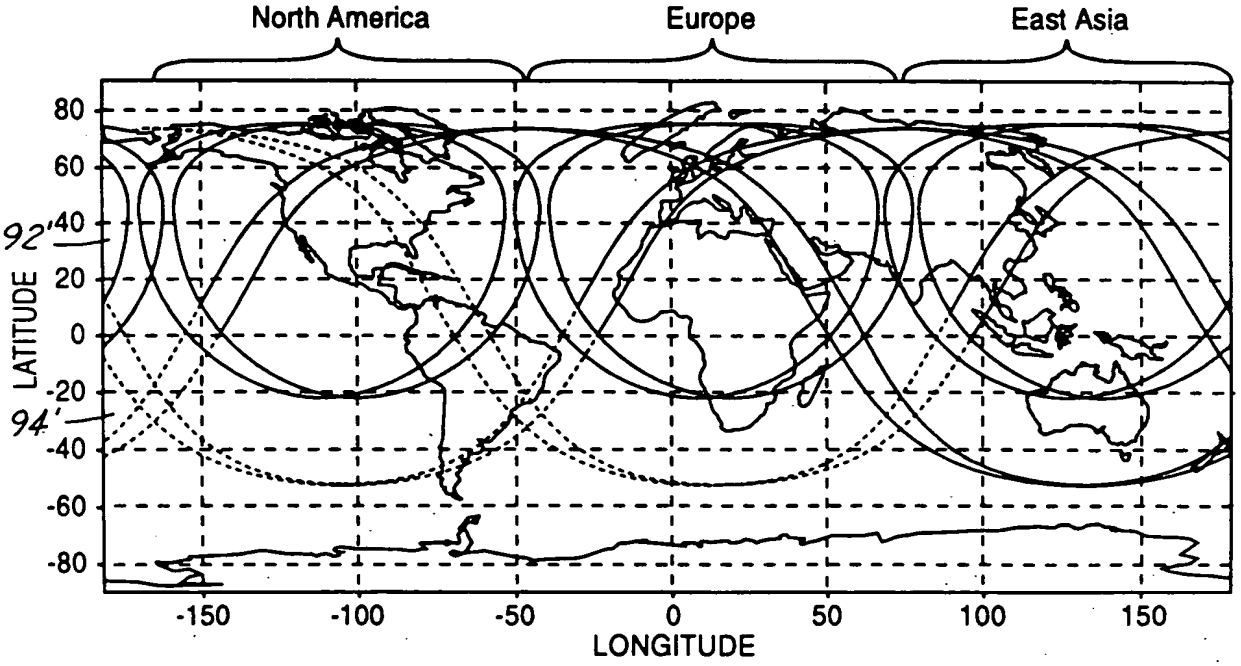
North America
Europe
East Asia
92'
94'
LATITUDE
80
60
40
20
0
-20
-40
-60
-80
-150
-100
-50
0
50
100
150
LONGITUDE

FIG. 15

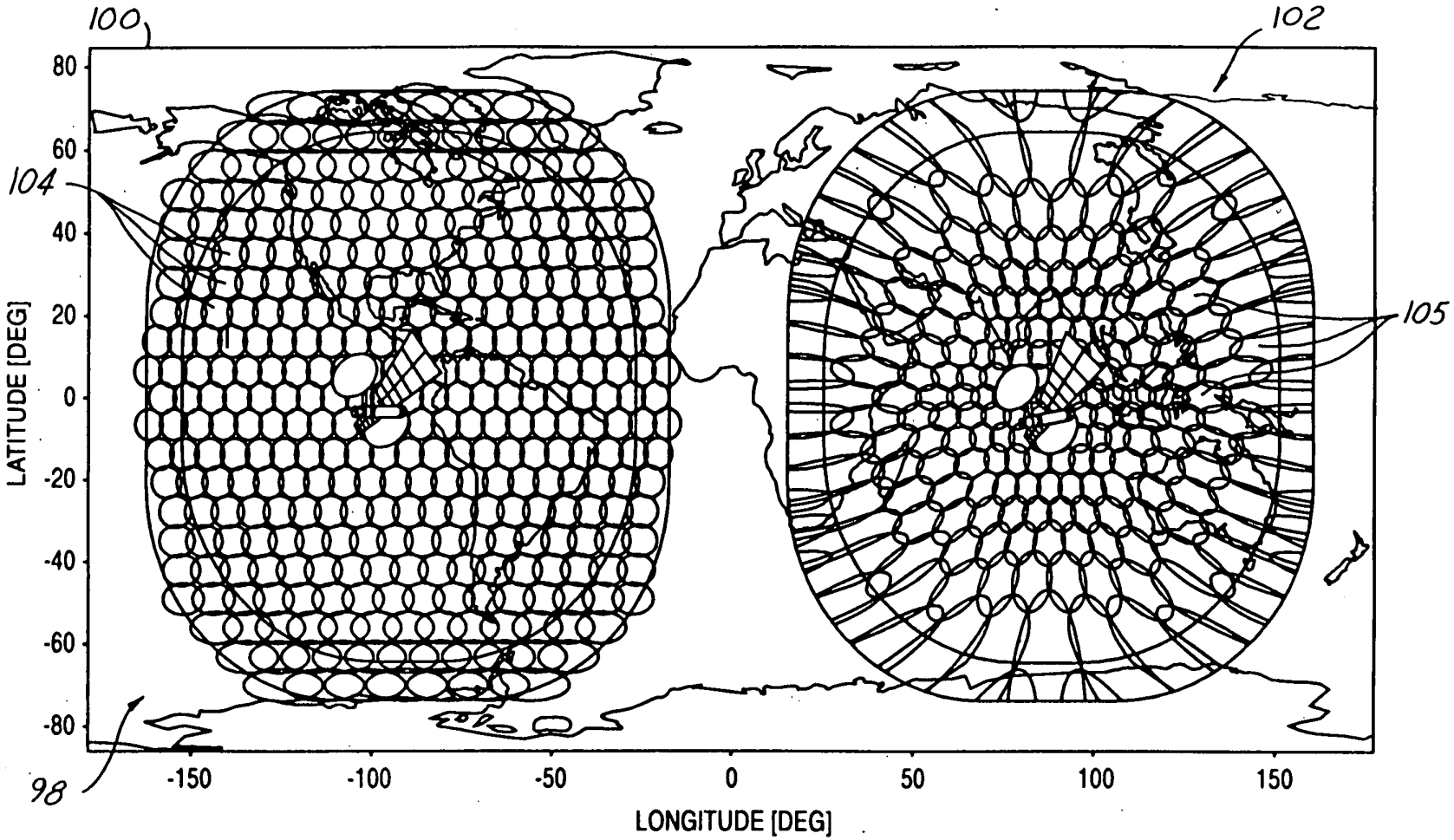

FIG.16

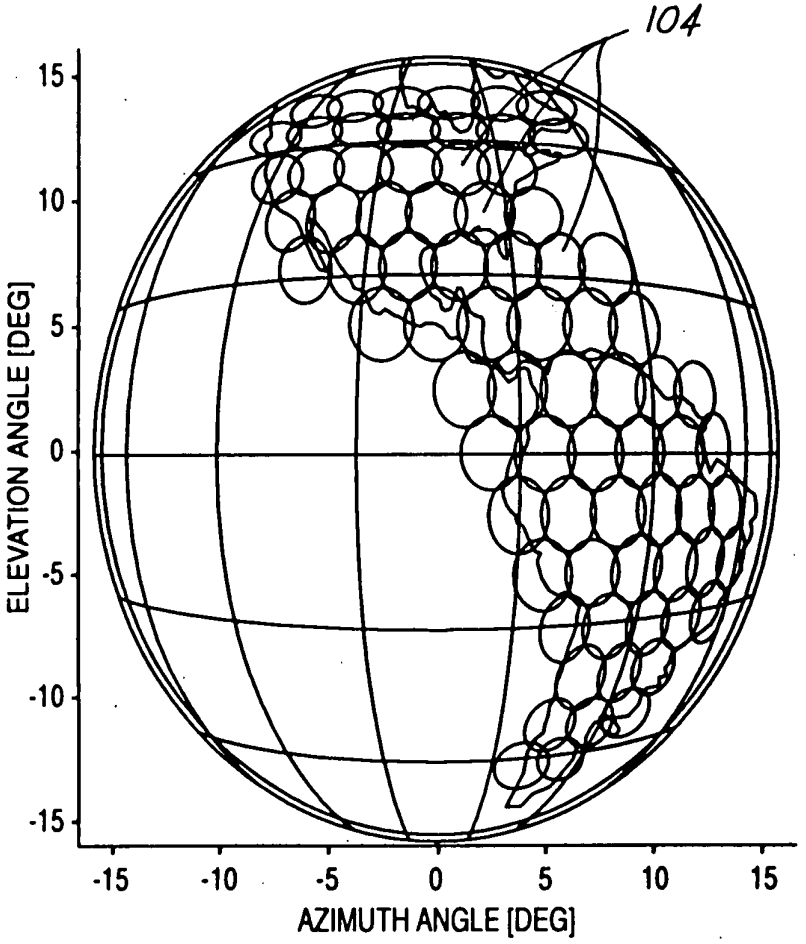

FIG.17A

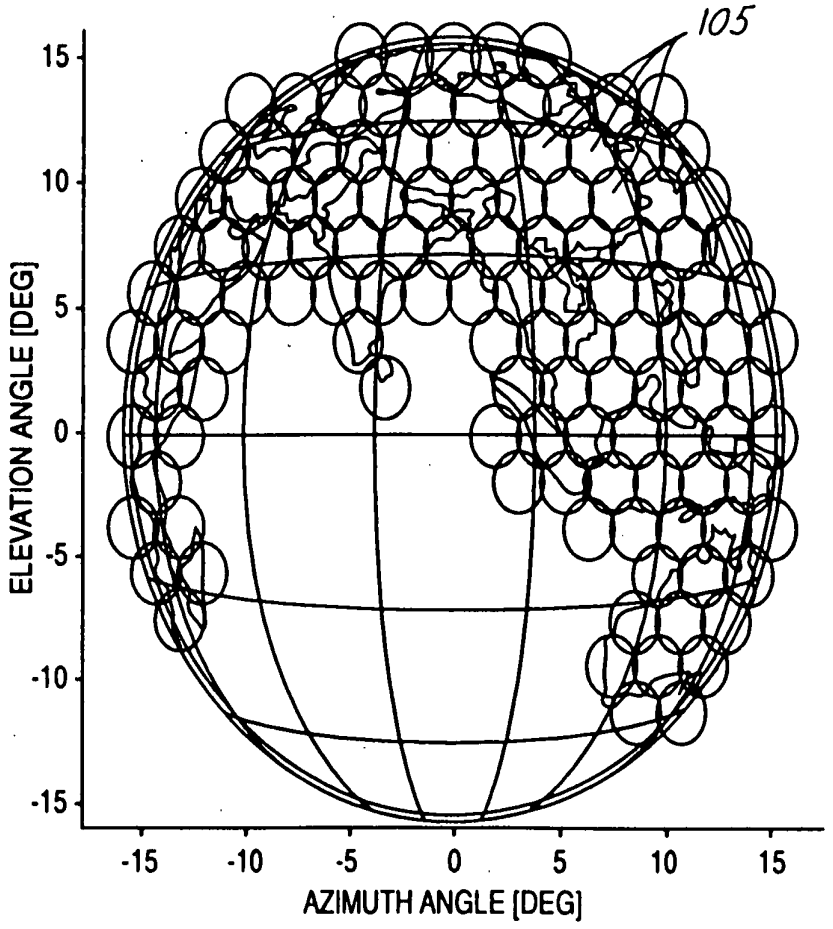

FIG.17B